CLAIMS

1. A system adapted to simplify management of a clustered storage system having a plurality of failover modes, the system comprising:

    a user interface system that defines one of a plurality of failover modes; and

    a command set implemented by the user interface system and including a command for setting a cluster mode.

2. The system of claim 1 wherein the user interface system comprises a command line interface (CLI) adapted to support the command set.

3. The system of claim 1 wherein the command set further comprises an igroup command that determines whether a set of initiators may utilize data access command proxying.

4. The system of claim 3 wherein the set of initiators comprises at least one fibre channel world wide name.

5. The system of claim 3 wherein the set of initiators comprises one or more iSCSI identifiers.

6. The system of claim 3 wherein the igroup command sets an igroup option to determine whether members of a set of initiators may use a partner port for proxying data access command.

7. The system of claim 3 wherein the command set further comprises a cfmode command that sets a cluster mode for the clustered storage system.

1   8.   The system of claim 7 wherein the cluster mode enables the clustered storage

2   system to proxy data access requests received by a first storage system in the clustered

3   storage system to a second storage system in the clustered storage system.

1   9.   The system of claim 7 wherein the cluster mode enables a first storage system in

2   the clustered storage system to assume an identity of a second storage system in the

3   clustered storage system.

1   10.   The system of claim 7 wherein the cluster mode enables proxying of data access

2   requests received by a first storage system in the clustered storage system to a second

3   storage system in the clustered storage system and further enables the first storage system

4   to assume an identity of the second storage system.

1   11.   The system of claim 1 wherein the command for setting a cluster mode comprises

2   a cfmode command.

1   12.   The system of claim 1 wherein the user interface system further comprises a

2   graphical user interface having functionality to implement the command set.

1   13.   A method for simplifying management of a clustered storage system having a plu-

2   rality of failover modes, the method comprising the steps of:

3   providing a user interface system; and

4   executing a cfmode command supported by the user interface system to set a

5   cluster mode for the clustered storage system, the cluster mode defining one of a plurality

6   of failover modes.

1   14.   The method of claim 13 wherein the cluster mode comprises a partner mode; and

2   wherein the clustered storage system is enabled to proxy data access requests re-

3   ceived by a first storage system in the clustered storage system to a second storage sys-

4   tem.

1 15. The method of claim 13 wherein the cluster mode comprises a standby mode; and

2   wherein a first storage system in the clustered storage system is enabled to assume

3 an identity of a second storage system in the clustered storage system.

1 16. The method of claim 13 further comprising the step of providing a GUI imple-

2 menting commands available through the user interface system.

1 17. The method of claim 13 further comprising the step of providing a GUI window

2 for setting a cluster mode of the clustered storage system.

1 18. The method of claim 16 further comprising the step of providing a GUI window

2 for setting a proxy option for an initiator group.

1 19. A system adapted to simplify management of a clustered storage system having a

2 plurality of failover modes, the system comprising:

3   user interface means for implementing a command line interface; and

4   means for setting a cluster mode, the cluster mode defining one of a plurality of

5 failover modes.

1 20. The system of claim 19 further comprising means for determining whether a set

2 of initiators may utilize data access command proxying.

1 21. The system of claim 19 wherein user interface means further comprises means for

2 determining whether a set of initiators may utilize data access command proxying.

1 22. The system of claim 21 wherein the set of initiators comprises at least one fibre

2 channel world wide name.

1 23.   The system of claim 21 wherein the set of initiators comprises one or more iSCSI

2 identifiers.

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1 24.   The system of claim 19 wherein the cluster mode enables the clustered storage

2 system to proxy data access requests received by a first storage system in the clustered

3 storage system to a second storage system in the clustered storage system.

1 25.   The system of claim 19 wherein the cluster mode enables a first storage system in

2 the clustered storage system to assume an identity of a second storage system in the

3 clustered storage system.

1 26.   The system of claim 19 wherein the cluster mode enables proxying of data access

2 requests received by a first storage system in the clustered storage system to a second

3 storage system in the clustered storage system and further enables the first storage system

4 to assume an identity of the second storage system.

1 27.   A computer readable medium, including program instructions executing on a

2 computer, for simplifying management of a clustered storage system having a plurality of

3 failover modes, the computer readable medium including instructions for performing the

4 steps of:

5   providing a user interface system; and

6   executing a cfmode command supported by the user interface system to set a

7 cluster mode for the clustered storage system, the cluster mode defining one of a plurality

8 of failover modes.

1 28.   The computer readable medium of claim 27 wherein the cluster mode comprises a

2 partner mode; and

3   wherein the clustered storage system is enabled to proxy data access requests re-

4 ceived by a first storage system in the clustered storage system to a second storage sys-

5 tem.

1   29.   The computer readable medium of claim 27 wherein the cluster mode comprises a

2   standby mode; and

3   wherein a first storage system in the clustered storage system is enabled to assume

4   an identity of a second storage system in the clustered storage system.

1   30.   The computer readable medium of claim 27 further comprising the step of pro-

2   viding a GUI implementing commands available through the user interface system.

1   31.   The computer readable medium of claim 27 further comprising the step of pro-

2   viding a GUI window for setting a cluster mode of the clustered storage system.

1   32.   The computer readable medium of claim 27 further comprising the step of pro-

2   viding a GUI window for setting a proxy option for an initiator group.